BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: "PACKAGE No-06 Developments of roads and drains at Machohalli, Kadabagere, Gollarahatti (Kitthanahalli), Singanayakanahalli Grama Panchayathi limits and surrounding areas of Yelahanka assembly Constituency Under Amrutha Nagarothana Grants".

Sl No	Description of Work	Unit	Modified Shedule -B Qty	Executed Qty	% of Work Completed	Sep To Dec-22	Jan To March-23	April To June-23	July To Sep-23	Sep To Dec-23
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly	Cum	2803.44	2803.00	99.98					
2	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces,	Cum	13636.00	13634.28	99.99					
3	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km as per the direction of Engineer in charge	t.km	21042.48	21039.72	99.99					
4	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage	Cum	417.65	417.54	99.97					
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well	Cum	783.31	783.30	100.00					
6	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.as per the direction of Engineer in charge	Tonne	48.74	48.74	100.00					
7	Providing and fixing precast reinforced cement concrete covering slabs of 10Cm thick made of M20 with OPC cement, with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM	Sqm	2060.13	2060.12	100.00					
8	Providing and fixing precast reinforced cement concrete covering slabs of 23Cm thick made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM	Sqm	130.47	130.47	100.00					
12	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 .as per the direction of Engineer in charge	Cum	7233.60	7233.57	100.00					
13	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage	Cum	7233.60	7233.57	100.00					
14	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity	Cum	7233.60	7233.57	100.00					
17	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage	Cum	16.67	16.67	100.00					
18	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of	Cum	52.35	50.35	96.18					
19	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted	Cum	70.08	70.08	100.00					
20	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6(1 cement : 6 coarse sand) as per the direction of Engineer in charge	Cum	43.66	43.66	100.00					
21	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.as per the direction of Engineer in charge.	Cum	203.51	203.51	100.00					
22	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not	kg	8305.84	8305.84	100.00					

E.E. (Project)

Sl No	Description of Work	Unit	Modified Shedule -B Qty	Executed Qty	% of Work Completed	Sep To Dec-22	Jan To March-23	April To June-23	July To Sep-23	Sep To Dec-
23	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc	Sqm	142.00	142.00	100.00					
24	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc	Sqm	140.63	140.63	100.00					
25	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to	Sqm	165.74	165.74	100.00					
26	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.(V-II Page No.99, Item No.12.11 of PWD SR 2021-22)	Cum	0.14	0.14	100.00					
27	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of	Nos	2.00	2.00	100.00					
28	Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS	Sqm	1.80	1.80	100.00					
30	Providing & fixing of 2-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6 PHR with TPE (Thermo Plastic Elastomer) and lead free, gaskets -grey color having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an	Sqm	23.50	23.50	100.00					
31	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by weldingas per the direction of Engineer in charge.	Kg	524.98	524.98	100.00					
32	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed including cost of materials, mortar, labour, curing complete as per specifications as per the direction of Engineer in charge.	Sqm	170.14	170.14	100.00					
33	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed	Sqm	9.22	9.22	100.00					
34	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including	Sqm	8.23	8.23	100.00					
35	Providing skirting, dadooing, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specificationsas per the direction of Engineer in charge.	Sqm	36.05	36.05	100.00					
36	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge as per the direction of Engineer in charge.	Sqm	373.05	373.05	100.00					
37	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.as per the direction of Engineer in	Sqm	329.24	329.24	100.00					
38	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	329.24	329.24	100.00					
39	Providing White washing with lime to give an even shade :New work (three coats) with lime of approved quality, including cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. as per the direction of Engineer in charge.	Sqm	373.05	373.05	100.00					
40	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m◆ over and including priming coat of exterior primer applied @ 2.20 kg/10 m◆) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even	Sqm	373.05	373.05	100.00					
42	[illegible] fixing chromium plated brass handles of 100/125 mm with necessary screws etc. as per the direction of Engineer in charge.	Nos	6.00	6.00	100.00					
43	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc.125x65x2.12mmas per the direction of Engineer in charge.	Nos	9.00	9.00	100.00					

Sl No	Description of Work	Unit	Modified Shedule -B Qty	Executed Qty	% of Work Completed	Sep To Dec-22	Jan To March-23	April To June-23	July To Sep-23	Sep To Oct
44	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. Complete 250x10mm as per the direction of Engineer in charge.	Nos	4.00	4.00	100.00					
45	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing	m	29.00	29.00	100.00					
46	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing	m	38.00	38.00	100.00					
47	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings	Each	1.00	1.00	100.00					
48	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 600x450x200 mm as per the direction of Engineer in charge.	Each	1.00	1.00	100.00					
49	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making	Each	2.00	2.00	100.00					
50	Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding	m	12.00	12.00	100.00					
51	Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 :1996 with manhole lid and suitable locking\ arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per spedfications.(For1000 litre capacity)	L	1000.00	1000.00	100.00					
52	Providing and fixing gun metal non- return valve of approved quality (screwed end)as per the direction of Engineer in charge.	Nos	1.00	1.00	100.00					
53	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats completeas per the direction of Engineer in charge	Each	1.00	1.00	100.00					
54	Providing and fixing PTMT pillar cock of approved quality and colour15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gmsas per the direction of Engineer in charge.	Each	1.00	1.00	100.00					
56	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using	Mtr	36.00	36.00	100.00					
57	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using	Mtr	30.00	30.00	100.00					
58	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.19/20mm dia 2mm thickas per the	Mtr	48.00	48.00	100.00					
59	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2.mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.a)25mm dia 2 mm thick as per the	Mtr	24.00	24.00	100.00					
60	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 32mm dia 2.5mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.32mm dia 2.5 mm thick as per the	Mtr	12.00	12.00	100.00					
61	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of Group-A as per the direction of Engineer in charge.	Mtr	100.00	100.00	100.00					
62		Mtr	100.00	100.00	100.00					
63	2.5 Sqm	Mtr	100.00	100.00	100.00					

	Description of Work	Unit	Modified Shedule -B Qty	Executed Qty	% of Work Completed	Sep To Dec-22	Jan To March-23	June-23	July To Sep-23	Sep To Dec-23
	4.0 Sqm	Mtr	50.00	50.00	100.00					
	10.0 Sqm	Mtr	40.00	40.00	100.00					
66	Point wiring using Copper wire without switch.Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose lenght in a wood/PVC round block.	Point	18.00	18.00	100.00					
67	Medium point a above 3mtr up to 6mtr from tapping point to out let via switch as per the direction of Engineer in charge.	Point	18.00	18.00	100.00					
68	Long point a above 6mtr up to 10mtr from tapping point to out let via switch as per the direction of Engineer in charge.	Point	12.00	12.00	100.00					
69	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898.5-32Amps DP as per the direction of Engineer in charge.	Each	3.00	3.00	100.00					
70	6-32 Amps DP	Each	3.00	3.00	100.00					
71	40 Amps TPN	Each	3.00	3.00	100.00					
72	50-63 Amps SP	Each	2.00	2.00	100.00					
73	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure,III-Single Door.Group A12Way SP &Nas per the direction of Engineer in charge.	Each	1.00	1.00	100.00					
74	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mounting using required clamps, bolts, nuts etc. with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with power coated painting etc., complete: Double door: 6 way TP &N , Group (A) as per the direction of Engineer in charge.	Each	1.00	1.00	100.00					
76	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3 Way as per the direction of Engineer in charge.	Each	2.00	2.00	100.00					
77	Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes : Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes, Class H Insulated copper wire, Vacuum impregnated high quality with Low loss silicon steel lamination operated on 240V,50Hz supply	Each	5.00	5.00	100.00					
78	Supply and fixing metal fan box with round hook (Page No.2, Item No.1.12 of PWD Electrical SR 2021-22)	Nos	7.00	7.00	100.00					
79	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.as per the direction of Engineer in charge.	Each	4.00	4.00	100.00					
80	6Amps 3way 5 pin socket	Each	8.00	8.00	100.00					
83	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall as per the direction of Engineer in charge.	Each	2.00	2.00	100.00					
	6Way	Each	5.00	5.00	100.00					
87	10-12Way	Each	4.00	4.00	100.00					

	Description of Work	Unit	Modified Shedule -B Qty	Executed Qty	% of Work Completed	Sep To Dec-22	Jan To March-23	April -Jun-23	July To Sep-23	Sep To Dec-23
89	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. as per the direction of Engineer in charge.	Each	2.00	2.00	100.00					
91	6Moudule	Each	5.00	5.00	100.00					
93	10Moudule	Each	4.00	4.00	100.00					
95	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies for operation on 230 Volts, 50 Cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system.(84/9.3)56" Sweep (1400mm) Regular model as per the direction of Engineer in charge.	Each	7.00	7.00	100.00					
97	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 14.7.1 On wall / ceiling / Rafter / Girders as per the direction of Engineer in charge.	Each	9.00	9.00	100.00					
98	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732	Job	1.00	1.00	100.00					
119	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications as per the direction of Engineer in charge.	Cum	169.32	169.32	100.00					
	EIRL									
E1	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. pipes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer in-Charge	Sqm	465.60	465.60	100.00					

= Planed %

= Executed %

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92